

## Claims

*Subj 5*

1. A method comprising:

5     storing a first data structure which identifies a first party of a telecommunication network and a first telecommunication feature unavailable to the first party;

10     after storing the first data structure, inputting availability data which indicates an availability of the first telecommunication feature to a portion of the telecommunication network which serves the first party; and

15     processing the first data structure and the availability data to determine that the first telecommunication feature has become available to the first party.
2. The method of claim 1 further comprising:

20     before inputting the availability data, storing a second data structure which identifies a second party of the telecommunication network and the first telecommunication feature unavailable to the second party; and

25     processing the second data structure and the availability data to determine that the first telecommunication feature remains unavailable to the second party.
3. The method of claim 1 before inputting the

availability data, storing a second data structure which identifies a second party of the telecommunication network and a second telecommunication feature unavailable to the second party; and

5 processing the second data structure and the availability data to determine that the second telecommunication feature remains unavailable to the second party.

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4. ~~The method of claim 1 further comprising notifying the first party that the first telecommunication feature has become available to the first party.~~

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5. The method of claim 1 further comprising, prior to inputting the availability data: receiving a call from the first party; and informing, in the call, that the first 20 telecommunication feature is unavailable to the first party.

6. The method of claim 1 wherein the first telecommunication feature comprises a telecommunication 25 service.

7. The method of claim 1 wherein the first telecommunication feature comprises a telecommunication product.

8. The method of claim 1 wherein the telecommunication network comprises a telephone network.

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*sh a2 X* A method comprising:

receiving a first call from a first party of a telecommunication network;

10 determining that a first telecommunication feature is unavailable to the first party;

informing, in the first call, that the first telecommunication feature is unavailable to the first party;

15 storing a first data structure which identifies the first party and the first telecommunication feature unavailable to the first party;

receiving a second call from a second party;

determining that a second telecommunication feature is unavailable to the second party;

20 informing, in the second call, that the second telecommunication feature is unavailable to the second party;

storing a second data structure which identifies the second party and the second telecommunication feature unavailable to the second party;

25 receiving a third call from a third party;

determining that the first telecommunication feature is unavailable to the third party;

informing, in the third call, that the first

a<sup>2</sup>) telecommunication feature is unavailable to the third party;

storing a third data structure which identifies the third party and the first telecommunication feature unavailable to the third party;

10 after storing the first data structure, the second data structure, and the third data structure, inputting availability data which indicates an availability of the first telecommunication feature to a portion of the telecommunication network which serves the first party but not the third party;

processing the first data structure, the second data structure, the third data structure, and the availability data to determine that the first telecommunication feature has become available to the first party but remains unavailable to the third party; and

notifying the first party in a fourth call that  
the first telecommunication feature has become  
available to the first party.

10. An apparatus comprising:

25 a database comprising a first data structure which identifies a first party of a telecommunication network and a first telecommunication feature unavailable to the first party; and

a computer to receive availability data which indicates an availability of the first telecommunication feature to a portion of the

~~telecommunication network which serves the first party, the computer to process the first data structure and the availability data to determine that the first telecommunication feature has become available to the first party.~~

11. The apparatus of claim 10 wherein the database further comprises a second data structure which identifies a second party of the  
10 telecommunication network and the first telecommunication feature unavailable to the second party, and wherein the computer is to process the second data structure and the availability data to determine that the first telecommunication feature  
15 remains unavailable to the second party.

12. The apparatus of claim 10 wherein the database further comprises a second data structure which identifies a second party of the  
20 telecommunication network and a second telecommunication feature unavailable to the second party, and wherein the computer is to process the second data structure and the availability data to determine that the second telecommunication feature  
25 remains unavailable to the second party.

13. The apparatus of claim 10 wherein the computer is to output a signal to initiate notifying the first party that the ~~first telecommunication~~

~~feature has become available to the first party.~~

14. The apparatus of claim 10 wherein the first telecommunication feature comprises a telecommunication service.

15. The apparatus of claim 10 wherein the first telecommunication feature comprises a telecommunication product.

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16. The apparatus of claim 10 wherein the telecommunication network comprises a telephone network.

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17. A computer-readable medium whose contents cause a computer to store a first data structure which identifies a first party of a telecommunication network and a first telecommunication feature unavailable to the first party, to receive availability data which indicates an availability of the first telecommunication feature to a portion of the telecommunication network which serves the first party, and to process the first data structure and the availability data to determine that the first telecommunication feature has become available to the first party.

18. The computer-readable medium of claim 17 wherein the contents further cause the computer to

store a second data structure which identifies a second party of the telecommunication network and the first telecommunication feature unavailable to the second party, and to process the second data structure and the 5 availability data to determine that the first telecommunication feature remains unavailable to the second party.

19. The computer-readable medium of claim 17  
10 wherein the contents further cause the computer to store a second data structure which identifies a second party of the telecommunication network and a second telecommunication feature unavailable to the second party, and to process the second data structure and the 15 availability data to determine that the second telecommunication feature remains unavailable to the second party.

~~20. The computer-readable medium of claim 17~~  
20 wherein the contents further cause the computer to output a signal to initiate notifying the first party that the first telecommunication feature has become ~~available to the first party.~~

25 21. The computer-readable medium of claim 17 wherein the first telecommunication feature comprises a telecommunication service.

22. The computer-readable medium of claim 17

wherein the first telecommunication feature comprises a telecommunication product.

23. The computer-readable medium of claim 17

5 wherein the telecommunication network comprises a telephone network.